

REPORT

OF THE

Mortality of the Borough of Bedford,

AND OF

THIRTY-NINE RURAL PARISHES,

CONSTITUTING THE

BEDFORD UNION.



PRESENTED TO THE BOARD OF GUARDIANS,

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PRESENTED
by the
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THE following Tables of the Mortality of Bedford and the fourteen neighbouring parishes, were commenced some months ago, simply for my own information on the relative mortality of the town and the rural districts. Upon their completion at considerable cost of time and labour, they were thought to be worthy of public circulation, and with this object, they were presented to the Board of Guardians, who have shewn the greatest activity in the promotion of sanitary measures.

The Guardians were pleased to express their favourable opinion of my Report, and intimated a desire that similar Tables should be made with respect to the other twenty-five rural parishes in the Union. To this request I readily responded, and the Guardians have ordered the publication of both Reports in their present form.

The calculation of the precise mortality in Bedford is greatly complicated by our public Institutions. In procuring correct data with regard to these establishments, I have been kindly assisted by MR. SAMUEL WING, MR. MATTHEWS, resident medical officer of the County Asylum, and MR. SHARPIN, house-surgeon to the General Infirmary.

I am also indebted to MR. S. WING for access to the Register Books of Deaths in his custody as Superintendent Registrar, and for having carefully inspected the numerous figures, from which the results contained in these Tables have been deduced. This fact will be a guarantee for their correctness.

Through the kindness of SAMUEL CHARLES WHITBREAD, ESQ., I am enabled to annex the monthly Meteorological Observations taken at Cardington during seven years and a half of the period embraced by the Tables.

T. H. B.

Bedford, January 14th, 1854.

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Disease	239	229	290	259	212	237	293	258	259	405	399	274	336	248	266	277	4481
<i>Diseases of the Lung</i>	3	1	2	2	3	4	9	9	12	13	35	1	12	14	18	2	9
Asthma	2	1	2	3	5	1	3	2	1	1	1	1	1	2	1	17	166
Disease of lungs, &c.		1	4	4	7	4	5	9	4	6	4	4	2	4	4	4	23
Teething						1					1					1	2
Cyanache maligna																	1
Quinsey												1	1				1
Gastritis					1		1				1	2	2		1	1	7
Enteritis	4	5	3	1	6	2	1	3	1	3	2	1	2	2	1	1	37
Peritonitis									1		9	4	3	1	1	1	19
Ulceration of intestines			1														3
Hernia								1	1			1				1	3
Ileus						1			1					1		1	2
Intussusception	1		2	1					1				1	1	1		9
Stricture of intestinal canal				1					1	1				1		1	5
Disease of stomach, &c.		1	2	3	1	2	1	4	1	1	1	1	3	2	7	3	33
Hepatitis					1						4	2	1	1	2	1	8
Jaundice	1	2	1	2	1		2	3	1	3	4	2	2	1	1	1	25
Disease of liver	4					2	2		1	2			1	2	1	1	16
Biliary calculus												1					2
Disease of spleen		1						1									1
Nephritis																	1
Nephria											1	1	1			1	1
Diabetes																	4
Calculus					1			1				1					1
Cystitis										2							6
Stricture of urethra		1		1						1							2
Disease of kidneys, &c.							2		1			1	2			1	11
Disease of bladder, &c.	2					1	1	1	1	2	1		1			1	13
Paramenia											2	1		1			1
Child-birth, &c.		1		1			1		2		2		1	1			1
Amenorrhoea					1					1							1
Menorrhagia																	1
Disease of mammae																	1
Disease of uterus, &c.	1	1	3	1			1	2	2	4		1	2	3	1	1	24
Rheumatism						1		2			1			1			6
Disease of joints		1	1	1		1	1		1	2	1			1	2		11
Carbuncle										1		1					3
Disease of skin, &c.			1												1		4
Malformations										1							1
Premature birth and debility	2	8	8	4	5	3	2	10	14	16	21	15	20	12	24	13	177
Atrophy				1	3	7		5	7	2	5	5	8	7	6	11	67
Age	31	22	24	32	27	31	32	31	22	33	20	37	39	21	23	29	454
Accidents, suffocation, &c.	5	3	1	2			1	2		3		1		1			19
Causes not specified, Inquests included	41	57	61	48	34	41	52	29	34	54	28	29	10	7	16	14	555
Totals	239	229	290	259	212	237	293	258	259	405	399	274	336	248	266	277	4481

TABLE II.—DEATHS FROM ZYMOTIC* AND A FEW OTHER DISEASES, IN THE PARISH OF ST. PAUL, BEDFORD, FROM JULY 1, 1837, TO JUNE 30, 1853.

CAUSES OF DEATH.		1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
Zymotic Diseases.	Small-pox	6	3											2				11
	Measles	2	12		6		1	7				3			3			34
	Scarlatina	4				2	2	1			8	20			1			38
	Hooping-cough	2		22	1	1	3	2	8			5		3	1		8	56
	Croup	1			10	4	1	1	1		1	1	1			1	1	23
	Thrush						1	1		1			1					4
	Diarrhoea	1	1	3	3	2	2	2	4		20	7	6	8	4	10	5	78
	Dysentery	1		1				4	1	2	2				1			12
	Cholera							3						30				33
	Influenza		1		2		5	3	2	1	5	2	1	4	1		2	29
	Purpura													1			1	2
	Fever	5	8	23	7	8	2	4	6	13	40	16	5	9	5	4	1	156
	Erysipelas	2			1		1		1		1		1	1				8
Total Deaths from Zymotic Diseases.		24	25	49	30	17	21	25	23	17	77	54	15	59	15	15	18	484
Phthisis or Consumption		24	27	40	34	27	31	46	19	19	20	28	17	23	16	17	27	415
Hydrocephalus		3	3		2			2	1	1		2	1	3	4	1		23
Convulsions		5	1	5	6	10	8	16	8	6	11	15	6	8	2	4	9	120
Pneumonia			1	1	1	2	2	6	7	6	7	23	8	9	10	5	8	96
Premature birth and debility		1	3	4	1	3			7	5	7	7	7	13	6	14	9	87
Atrophy						3	3		4	5		1	3	4	5	2	7	37

* The term Zymotic (from ζυμω, to ferment, *zymosis*, fermentation,) is applied to designate that class of diseases which are conceived to owe their origin to causes which act upon the system in a manner analagous to the action of yeast upon the gluten of flour; (not that there is any evidence that this is a real operation, but the idea may be admitted as a convenient means of classification); the class includes the diseases usually considered to be epidemic, endemic, or contagious.

TABLE III.—DEATHS FROM ZYMOTIC AND A FEW OTHER DISEASES, IN THE PARISH OF ST. PETER, BEDFORD, FROM JULY 1, 1837, TO JUNE 30, 1853.

CAUSES OF DEATH.		1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
Zymotic Diseases.	Small-pox	2	1	1														4
	Measles		1		1	2						4						8
	Scarlatina	1				1						3						5
	Hooping-cough		1	6				1				1					1	11
	Croup				1							1			1			3
	Thrush				1				2									3
	Diarrhoea				1		5	1	4		5	4	2	1	2	1	2	28
	Dysentery					1	1			1		1						4
	Influenza	1	1		2			3			1	2	1	1		2	1	15
	Fever, typhus	5	3	4		3	4	2	1		4	2	2			1	2	33
	Puerperal fever				1													1
	Rheumatic fever		1															1
	Erysipelas						1	2					1					4
Total Deaths from Zymotic Diseases.		9	8	11	7	7	11	9	7	1	10	18	6	2	4	4	6	120
Phthisis or Consumption		14	9	14	12	11	13	10	10	7	3	9	8	7	11	9	4	151
Hydrocephalus		1												1	1	1		4
Convulsions		2	2	3	2			1	4	1	4	4		4	1	3	4	35
Pneumonia		2					2	2	1	4		2	2		4	3	3	25
Premature birth and debility			3	3	1		2	2	2	1	2	1	1	2	1	2	2	25
Atrophy					1		2		1	2	1	3	1	2	2	3	3	21

TABLE IV.—DEATHS FROM ZYMOTIC AND A FEW OTHER DISEASES, IN THE PARISH OF ST. MARY, BEDFORD, FROM JULY 1, 1837, TO JUNE 30, 1853.

CAUSES OF DEATH.		1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
<i>Zymotic Diseases.</i>	Small-pox									1	1					1		3
	Measles			1		1												2
	Scarlatina				1	1						3						5
	Hooping-cough				1			1	2									4
	Croup				1											2		3
	Thrush								1									1
	Diarrhœa				1	1			1	1	3	1		5	2	3		18
	Dysentery		1															1
	Cholera						1							3				4
	Influenza					1	1		1	3	3	1		1	1	1		13
	Purpura										1	2					1	4
	Fever		1	4	1	1	1	2	1	3	9	1	9	15	10	7	14	79
	Erysipelas										2	4	2	1		1		10
Total Deaths from Zymotic Diseases.			3	5	4	5	3	3	6	8	19	12	11	25	13	15	15	147
	Phthisis or Consumption	16	15	13	13	8	8	8	9	14	11	19	10	17	7	8	10	186
	Hydrocephalus								1	3	1			1	1			7
	Convulsions	1	2	2			1	1	3	3	2	3	1		1	3	2	25
	Pneumonia	1			1			1		1	2	5		4	1	3	4	23
	Premature birth and debility	1		1					1	6	6	12	6	2	4	7	2	48
	Atrophy						1				1			1				3

TABLE V.—DEATHS FROM ZYMOTIC AND A FEW OTHER DISEASES IN THE PARISH OF ST. CUTHBERT, BEDFORD, FROM JULY 1, 1837, TO JUNE, 30, 1853.

CAUSES OF DEATH.		1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
<i>Zymotic Diseases.</i>	Small-pox		5	1										2				8
	Measles				1			2										3
	Hooping-cough				2							1		2			1	6
	Croup														1			1
	Diarrhœa							2	4		6	1	1			1	2	17
	Influenza			1				1				1					1	4
	Fever		2		2		2	1			3		2	1				14
	Erysipelas											1						1
Total Deaths from Zymotic Diseases.			7	1	5	1	2	1	6	4		9	4	3	5	1	4	54
	Phthisis or Consumption	3	1	3	4	5	3	3	2	5	3	5	1	3	2	4	1	48
	Hydrocephalus																1	1
	Convulsions	2		1	1	2	1	1	1		1		3		1	1		15
	Pneumonia			1		1			1	1	1	3				1	1	10
	Premature birth and debility		2		2	2	1			2	1	1		2	1	1		15
	Atrophy											1	1	1				3

TABLE VI.—DEATH FROM ZYMOTIC AND A FEW OTHER DISEASES, IN THE PARISH OF ST. JOHN, BEDFORD, FROM JULY 1, 1837. TO JUNE, 30, 1853.

CAUSES OF DEATH.		1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
Zymotic Diseases.	Measles				3			2										5
	Scarlatina										2							2
	Hooping-cough				1		1										1	3
	Croup					1												1
	Diarrhœa								1		1					1		3
	Influenza															1		1
	Purpura							1										1
	Fever					1				4	4	1			2			12
	Erysipelas										1							1
Total Deaths from Zymotic Diseases.					4	2	1	3	1	4	8	1			2	2	1	29
Phthisis or Consumption		1	1	1	2	3		2		3	2	1	3	5				24
Hydrocephalus					1													1
Convulsions							1	1			1	1	1	1	1		1	8
Pneumonia											3	2	2	1	3		1	12
Premature birth and debility													1	1				2
Atrophy ..							1									1	1	3

TABLE VII.—DEATHS IN SEPARATE YEARS IN EACH OF THE BEDFORD PARISHES, TOGETHER WITH THE TOTALS FOR THE SIXTEEN YEARS, INCLUSIVE OF DEATHS IN THE PUBLIC INSTITUTIONS.

PARISH.	1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
St. Paul	105	108	152	128	118	114	157	120	105	206	195	117	160	100	104	127	2116
St. Peter	56	49	69	42	41	60	58	44	46	66	67	49	48	54	52	55	856
St. Mary	60	57	49	63	28	46	53	78	79	92	110	84	106	74	88	72	1139
St. Cuthbert	16	9	16	16	17	9	18	12	21	23	19	14	13	12	16	17	248
St. John	2	6	4	10	8	8	7	4	8	18	8	10	9	8	6	6	122
Totals	239	229	290	259	212	237	293	258	259	405	399	274	336	248	266	277	4481

TABLE VIII.—DEATHS PER THOUSAND IN EACH OF THE BEDFORD PARISHES FOR THE SIXTEEN YEARS, INCLUSIVE OF DEATHS IN THE PUBLIC INSTITUTIONS.

PARISH.	Deaths from July 1, 1837, to June 30, 1853	Average Number of Deaths $\frac{1}{1000}$ thousand.	Proportion of Deaths to the Living.
St. Paul	2116	21.3	1 in 47
St. Peter	856	31.9	1 .. 31
St. Mary	1139	53.0	1 .. 19
St. Cuthbert	248	24.5	1 .. 40
St. John	122	16.9	1 .. 59
Totals	4481	27.1	1 in 37

TABLE IX.—DEATHS IN SEPARATE YEARS IN EACH OF THE BEDFORD PARISHES, TOGETHER WITH THE TOTALS FOR THE SIXTEEN YEARS, *EXCLUSIVE* OF DEATHS IN THE PUBLIC INSTITUTIONS OF PERSONS NOT BELONGING TO BEDFORD.

PARISH.	1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
St. Paul	113	116	164	135	121	117	162	132	113	227	213	129	172	114	114	143	2285
St. Peter	31	19	35	22	13	17	30	27	34	39	30	26	32	31	40	37	463
St. Mary	14	18	20	18	16	16	20	31	22	28	39	16	21	17	28	22	346
St. Cuthbert	18	10	17	16	18	10	18	13	23	25	20	14	14	12	17	19	264
St. John	3	7	5	10	9	8	8	5	8	19	8	12	10	9	6	7	134
Totals	179	170	241	201	177	168	238	208	200	338	310	197	249	183	205	228	3492

TABLE X.—DEATHS PER THOUSAND IN EACH OF THE BEDFORD PARISHES FOR THE SIXTEEN YEARS, *EXCLUSIVE* OF DEATHS IN THE PUBLIC INSTITUTIONS OF PERSONS NOT BELONGING TO BEDFORD.

PARISH.	Deaths from July 1, 1837, to June 30, 1853	Average Number of Deaths $\frac{1}{16}$ thousand.	Proportion of Deaths to the Living.
St. Paul	2285	23.2	1 in 43
St. Peter	463	20.0	1 .. 50
St. Mary	346	20.0	1 .. 50
St. Cuthbert	264	25.9	1 .. 39
St. John	134	18.4	1 .. 54
Totals	3492	22.3	1 in 45

TABLE XI.—DEATHS PER THOUSAND IN EACH OF THE BEDFORD PARISHES FOR THE *SEVEN* YEARS FROM JULY 1, 1846, TO JUNE 30, 1853, *EXCLUSIVE* OF DEATHS IN THE PUBLIC INSTITUTIONS OF PERSONS NOT BELONGING TO BEDFORD.

PARISH.	Deaths from July 1, 1846, to June 30, 1853	Average Number of Deaths $\frac{1}{7}$ thousand.	Proportion of Deaths to the Living.
St. Paul	1112	24.2	1 in 41
St. Peter	235	18.0	1 .. 55
St. Mary	171	19.1	1 .. 52
St. Cuthbert	121	26.2	1 .. 38
St. John	71	22.2	1 .. 45
Totals	1710	22.6	1 in 44

TABLE XII.—DEATHS FROM ALL CAUSES IN THE FOURTEEN RURAL PARISHES CONSTITUTING (WITH THE BEDFORD PARISHES) THE BEDFORD AND CARDINGTON, AND THE BEDFORD AND KEMPSTON DISTRICTS, FROM JULY 1ST, 1837, TO JUNE 30TH, 1853, (SIXTEEN YEARS).

CAUSES OF DEATH.		1837-8	1838-9	1839-40	1840-1	1841-2	1842-3	1843-4	1844-5	1845-6	1846-7	1847-8	1848-9	1849-50	1850-1	1851-2	1852-3	TOTALS
Zymotic Diseases.	Small-pox	8	2	1	8	5	..	1	1	..	1	3	..	..	1	..	..	2
	Measles	2	..	..	3	..	..	7	..	1	5	22	8	..	..	..	..	24
	Scarlatina	1	1	8	1	3	..	3	11	2	..	5	4	2	8	2	1	46
	Hooping cough	2	1	1	1	3	1	..	1	..	..	5	2	..	..	..	..	55
	Croup	2	1	1	1	..	..	..	1	..	18	7	1	1	..	6	8	27
	Trush	4	2	..	1	1	3	7	4	3	4	7	2	5	..	1	2	12
	Diarrhoea	..	2	3	..	2	2	2	8	1	1	3	1	1	3	1	2	78
	Dysentery	..	2	..	..	1	1	..	1	..	1	7	1	6	..	2	..	27
	Cholera	4	2	4	4	1	6	7	6	3	6	7	2	2	4	4	5	5
	Influenza	14	4	25	9	17	23	19	4	12	53	20	9	19	12	9	8	257
Tubercular Diseases of variable seat.	Fever	..	..	1	..	..	..	..	..	..	3	3	1	1	1	2	..	1
	Rheumatic fever	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12
	Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Hæmorrhage	2	8	3	2	4	1	7	13	1	1	5	2	2	3	6	10	20
	Dropsy	4	..	..	10	..	10	..	..	7	15	9	7	1	2	2	1	116
	Abscess	..	..	..	2	..	..	..	..	..	1	1	..	1	1	2	..	8
	Fistula	2	1	..	1	..	2	2	4	..	4	1	..	2	1	..	1	1
	Mortification	1	1	1	3	1	2	2	1	1	2	..	2	1	1	2	1	21
	Cancer	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	21
	Gout	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Diseases of the Brain, &c.	Serofula	..	..	1	..	3	2	..	..	3	1	1	..	..	1	1	..	12
	Tabes Mesenterica	34	34	42	34	46	35	41	41	39	40	37	31	30	18	25	29	556
	Phthisis or Consumption	1	..	..	..	1	..	..	..	2	2	2	1	1	..	1	..	9
	Hydrocephalus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Cephalitis	4	2	3	2	2	1	3	3	4	1	6	4	1	2	2	3	31
	Apoplexy	5	2	..	..	1	1	1	1	4	4	5	3	3	4	2	3	47
	Paralysis	..	1	..	..	1	..	1	5	3	2	4	3	4	4	2	6	36
	Delirium tremens	..	..	..	..	..	..	1	1	..	..	1	3	1	1	1	..	1
	Epilepsy	12	11	10	6	6	13	14	17	15	11	22	11	11	10	9	9	10
	Convulsions	1	..	1	1	..	..	..	1	..	..	..	1	4	2	3	4	187
Diseases of the Heart, &c.	Disease of brain, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18
	Pericarditis	..	..	..	..	..	1	..	1	..	1	..	1	1	1	2	..	6
	Phlebitis	..	..	..	..	..	1	..	..	..	1	..	..	2	..	..	..	3
	Disease of heart, &c.	..	..	9	1	..	1	1	9	5	1	6	6	5	2	..	..	..

Disease	Lu	3	2	1	8	1	1	1	5	3	4	23	30	13	8	6	5	14	123
Diseases of the Lungs, &c.																			
Teething																			
Cynanche maligna																			
Quinsey																			
Gastritis																			
Enteritis																			
Peritonitis																			
Hernia																			
Ileus																			
Intussusception																			
Disease of stomach, &c.																			
Hepatitis																			
Jaundice																			
Disease of liver																			
Disease of spleen																			
Diseases of the Kidneys, &c.																			
Nephritis																			
Nephria																			
Ischuria																			
Stricture of urethra																			
Disease of kidneys, &c.																			
Disease of bladder, &c.																			
Child-birth, &c.																			
Amcnorrhœa																			
Disease of mammae																			
Disease of uterus, &c.																			
Rheumatism																			
Disease of joints																			
Disease of skin, &c.																			
Malformations																			
Premature birth and debility																			
Atrophy																			
Age																			
Privation of food																			
Burns and scalds																			
Suffocation																			
Fractures																			
Accidents, &c.																			
Causes not specified, Inquests included																			
Totals																			

TABLE XIII.—DEATHS IN SEPARATE YEARS IN EACH OF THE FOURTEEN
RURAL PARISHES, TOGETHER WITH THE TOTALS FOR THE
SIXTEEN YEARS.

PARISH.	1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
Biddenham	7	10	7	0	8	3	7	6	3	16	9	6	10	3	4	4	103
Bromham	6	2	3	10	5	8	8	7	6	10	6	5	5	3	3	5	92
Cardington	9	11	21	11	11	16	12	11	12	11	12	11	6	8	8	7	177
Clapham	2	4	9	10	8	8	10	9	9	23	15	8	9	8	7	7	146
Cople	20	7	10	8	10	16	17	15	8	18	20	10	17	9	7	13	205
Easteotts	6	14	10	10	19	14	9	12	9	22	35	11	18	16	11	12	228
Elstow	12	14	16	9	7	16	10	10	7	28	5	10	11	7	11	7	180
Goldington	7	2	11	9	10	4	8	12	13	8	23	9	9	13	8	14	160
Kempston	39	19	42	27	25	31	42	54	43	50	37	46	19	40	35	36	585
Oakley	17	11	5	6	10	9	6	7	8	15	25	13	10	13	6	7	168
Renhold	8	0	12	10	15	4	6	6	8	13	9	5	14	10	4	14	138
Willington	6	3	9	2	1	3	5	6	9	1	10	7	6	4	2	2	76
Wilshamstead	8	12	12	7	3	5	17	23	14	55	20	19	21	9	14	17	256
Wootton	20	21	19	25	23	27	28	35	18	33	40	22	24	26	16	29	406
Totals	167	130	186	144	155	164	185	213	167	303	266	182	179	169	136	174	2920

TABLE XIV.—DEATHS PER THOUSAND IN EACH OF THE FOURTEEN RURAL
PARISHES FOR THE SIXTEEN YEARS.

PARISH.	Deaths from July 1, 1837, to June 30, 1853	Average Number of Deaths of thousand.	Proportion of Deaths to the Living.
Biddenham	103	18.3	1 in 55
Bromham	92	18.3	1 .. 55
Cardington	177	19.5	1 .. 51
Clapham	146	22.7	1 .. 44
Cople	205	23.3	1 .. 43
Easteotts	228	16.8	1 .. 59
Elstow	180	20.2	1 .. 50
Goldington	160	19.0	1 .. 52
Kempston	585	21.3	1 .. 47
Oakley	168	22.8	1 .. 44
Renhold	138	18.9	1 .. 53
Willington	76	18.5	1 .. 54
Wilshamstead	256	19.5	1 .. 51
Wootton	406	23.2	1 .. 43
Totals	2920	20.5	1 in 49

TABLE XV.—AGE AT DEATH OF PERSONS WHO DIED IN THE FIVE BEDFORD PARISHES DURING SIXTEEN YEARS.

SEX.	6 mos.	1 year	2	3	4	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	TOTALS
Males	398	202	90	48	37	65	95	58	100	74	95	92	105	81	85	80	82	104	116	100	78	54	16	1	..	2 156
Females	284	184	101	44	35	57	70	95	123	92	92	99	106	78	90	63	100	99	129	115	82	62	20	3	..	2223
Totals	682	386	191	92	72	122	165	153	223	166	187	191	211	159	175	143	182	203	245	215	160	116	36	4	..	4479*

TABLE XVI.—AGE AT DEATH OF PERSONS WHO DIED IN THE FOURTEEN RURAL PARISHES OF THE BEDFORD AND CARDINGTON, AND BEDFORD AND KEMPSTON SUB-DISTRICTS, DURING SIXTEEN YEARS.

SEX.	6 mos.	1 year	2	3	4	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	TOTALS
Males	334	149	60	25	19	44	48	32	52	42	36	23	32	27	32	39	40	43	53	80	75	59	14	3	..	1361
Females	235	120	64	28	29	57	76	105	86	69	62	53	40	42	45	42	63	64	78	74	73	40	11	..	1	1557
Totals	569	269	124	53	48	101	124	137	138	111	98	76	72	69	77	81	103	107	131	154	148	99	25	3	1	2918*

* The Age was not registered in two deaths.

Disease.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Totals			
<i>Diseases of the Lungs, &c.</i>	10	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Diseases of the Stomach, &c.</i>	11	11	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
<i>Diseases of the Kidneys, &c.</i>	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Diseases of the Uterus, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Skin, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Bladder, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Urethra</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Kidneys, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Uterus, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Skin, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Bladder, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Urethra</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Kidneys, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Uterus, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Skin, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Bladder, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Urethra</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Kidneys, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Uterus, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Skin, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Bladder, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Urethra</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Kidneys, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Uterus, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Skin, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Bladder, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Urethra</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Kidneys, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Uterus, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Skin, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Bladder, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Urethra</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Kidneys, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<i>Diseases of the Uterus, &c.</i>	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2								

TABLE XVIII.—DEATHS IN SEPARATE YEARS IN EACH OF THE TWENTY-FIVE RURAL PARISHES, CONSTITUTING THE GREAT BARFORD, HARROLD, RISELY, SHARNBROOK, AND TURVEY SUB-DISTRICTS, TOGETHER WITH THE RESPECTIVE TOTALS FOR THE SIXTEEN YEARS.

PARISH.	1838	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOTALS
Great Barford	20	16	13	11	16	16	18	16	9	43	13	14	14	13	7	10	249
Bletsoe	11	5	10	14	11	12	12	4	8	10	8	4	7	11	7	6	140
Bolnhurst	5	5	4	6	8	7	4	7	6	7	8	5	11	7	5	4	99
Carlton	18	13	10	11	8	7	9	8	9	11	9	7	11	6	7	16	160
Chellington	0	1	3	2	2	4	4	3	1	1	2	4	2	4	4	5	42
Colmworth	9	9	10	14	13	14	12	7	12	19	22	4	14	8	10	8	185
Felmersham	7	10	16	9	10	8	11	7	9	14	8	12	9	10	4	11	155
Harrold	24	26	31	20	24	27	31	25	23	14	20	31	11	18	32	39	396
Keysoc	10	12	15	27	19	8	18	20	12	25	26	11	18	19	20	13	273
Knotting	6	2	2	3	3	2	2	3	2	2	0	8	2	0	2	2	41
Melchbourne	3	4	6	4	4	6	4	8	2	4	5	3	2	2	4	7	68
Milton Ernest	7	4	12	5	9	5	16	14	4	9	4	7	10	5	11	6	128
Odell	9	8	7	10	7	11	13	11	7	15	8	4	7	8	7	16	148
Pavenham	17	5	12	11	24	15	13	4	6	22	25	16	7	14	16	10	217
Ravensden	9	7	6	6	4	12	12	6	3	14	13	4	2	4	5	5	112
Risely	16	14	25	17	16	17	19	19	18	36	43	30	27	21	14	13	345
Roxton	21	15	12	7	15	13	14	31	11	6	18	4	13	6	11	13	210
Sharnbrook	18	10	11	24	19	17	14	17	9	31	15	13	18	10	11	16	253
Souldrop	7	2	3	5	7	5	5	6	0	5	18	3	7	3	5	2	83
Stagsden	24	13	20	14	13	16	17	14	8	18	13	18	15	18	14	18	253
Steventon	11	10	9	11	17	9	14	13	3	23	16	5	6	7	9	14	177
Thurleigh	14	15	13	14	11	13	15	8	10	15	15	14	12	9	6	11	195
Turvey	19	30	28	26	24	21	21	28	27	25	17	21	19	26	19	16	367
Wilden	10	6	7	6	10	8	8	8	8	6	10	15	8	9	11	12	142
Yielden	6	6	4	7	7	9	12	7	8	10	7	8	9	3	8	11	122
Totals	301	248	289	284	301	282	318	294	215	385	343	265	261	241	249	284	4560

TABLE XIX.—DEATHS PER THOUSAND IN EACH OF THE TWENTY-FIVE RURAL PARISHES FOR THE SIXTEEN YEARS.

PARISH.	Deaths per thousand.	Proportion of Deaths to the Living.
Great Barford	19.3	1 in 52
Bletsoe	21.6	1 .. 46
Bolnhurst	18.6	1 .. 54
Carlton	22.9	1 .. 44
Chellington	19.8	1 .. 50
Colmworth	22.1	1 .. 45
Felmersham	19.4	1 .. 51
Harrold	24.0	1 .. 42
Keysoc	22.4	1 .. 45
Knotting	15.4	1 .. 65
Melchbourne	16.0	1 .. 63
Milton Ernest	18.9	1 .. 53
Odell	18.3	1 .. 55
Pavenham	23.7	1 .. 42
Ravensden	21.3	1 .. 47
Risely	22.9	1 .. 44
Roxton	22.8	1 .. 44
Sharnbrook	18.3	1 .. 55
Souldrop	16.8	1 .. 59
Stagsden	23.9	1 .. 42
Steventon	19.3	1 .. 52
Thurleigh	20.1	1 .. 50
Turvey	23.6	1 .. 42
Wilden	20.5	1 .. 49
Yielden	24.0	1 .. 42
Average	21.2	1 in 47

TABLE XX.—MONTHLY MEANS OF METEOROLOGICAL OBSERVATIONS AT
THE OBSERVATORY OF SAMUEL CHARLES WHITBREAD ESQ., AT
CARDINGTON, FROM DECEMBER, 1845, TO JULY, 1853.

1846 MONTH.	BAROMETER.			THERMOMETER			Temperature of the Dew Point.	Degree of Humidity.	Wind	No. of Days on which rain fell.	Rain in Inches
	Max.	Min.	Mean	Max.	Min.	Mean					
January	30.500	29.000	29.720	56.0	27.0	42.0			S	17	3.92
February	30.300	29.500	29.893	59.0	26.0	42.0			W	12	1.00
March	30.600	29.100	29.716	57.0	26.0	43.0			WSW	14	1.80
April	30.200	29.000	29.631	63.0	31.0	47.0			VAR.	18	3.67
May	30.300	29.000	29.860	71.0	37.0	57.3			W	9	1.04
June	30.300	29.400	29.997	87.0	46.0	65.0			S	8	1.34
July	30.200	29.400	29.900	88.0	51.0	65.6			W	14	2.08
August	30.200	29.500	29.900	89.0	50.0	65.3			VAR.	17	3.20
September	30.400	29.400	29.920	75.0	42.0	59.3			NE	7	0.98
October	30.200	28.900	29.565	64.0	36.0	49.0			SW	27	5.13
November	30.400	29.200	29.900	57.0	24.0	44.0			SW	14	0.80
December	30.500	28.700	29.758	48.0	17.0	31.1			NW	6	1.11

1847.

January	30.300	28.900	29.787	46.0	25.0	34.5			SW	9	1.17
February	30.200	29.300	29.514	52.0	18.0	35.7			W	7	0.73
March	30.400	29.500	29.860	58.0	20.0	40.0			VAR.	8	0.79
April	30.000	29.200	29.640	60.0	28.0	41.6			VAR.	14	1.10
May	30.300	29.300	29.783	78.0	33.0	54.3			SW	16	3.40
June	30.400	29.500	29.888	75.0	43.8	56.6			SW	13	2.89
July	30.600	29.780	30.039	83.0	50.0	63.9			N	4	1.18
August	30.340	29.500	29.990	78.0	42.0	62.8			N	15	1.64
September	30.330	29.350	29.924	67.0	34.0	52.0			W	12	1.67
October	30.320	29.410	29.904	66.0	31.0	49.9			SW	10	2.56
November	30.340	29.180	29.940	60.0	25.0	43.5			SW	13	1.49
December	30.270	28.580	29.762	56.0	26.0	39.6			VAR.	13	2.21

1848.

January	30.360	29.200	29.850	51.0	18.0	33.0	31.4	0.900	VAR.	8	0.75
February	30.350	28.550	29.520	54.0	25.0	41.8	39.6	0.886	SW	15	2.56
March	30.140	28.630	29.490	60.0	28.0	42.0	40.8	0.863	VAR.	23	3.15
April	30.050	29.270	29.640	73.0	29.0	47.2	44.0	0.850	N	21	3.25
May	30.290	29.340	29.960	81.0	33.0	57.5	52.6	0.609	S	3	0.03
June	30.130	29.260	29.700	78.0	39.0	59.2	55.5	0.753	SW	24	4.16
July	30.430	29.240	29.870	85.0	39.0	61.0	57.4	0.728	SW	16	1.89
August	30.020	29.330	29.750	74.0	39.0	57.9	55.0	0.794	SW	25	3.70
September	30.370	29.330	29.880	79.0	31.0	54.6	53.2	0.825	W	10	4.30
October	30.110	29.200	29.680	70.0	33.0	50.0	49.0	0.885	SW	19	4.40
November	30.380	29.130	29.800	56.1	24.0	41.0	40.2	0.886	W	16	1.06
December	30.320	28.940	29.826	57.0	21.5	41.8	40.1	0.914	SW	16	1.80

1849.

January	30.296	28.870	29.801	54.0	16.8	38.5	36.7	0.904	SSW	17	1.830
February	30.764	29.300	30.148	56.2	24.0	41.8	39.8	0.872	SW	9	0.751
March	30.584	29.225	29.981	57.0	24.6	42.7	38.8	0.797	W	13	1.625
April	30.272	29.128	29.588	64.0	28.6	44.2	40.3	0.777	VAR.	24	2.630
May	30.206	29.216	29.830	75.0	32.5	54.3	49.8	0.752	VAR.	19	2.500
June	30.242	29.650	29.922	77.0	36.0	57.8	51.9	0.685	N	9	0.250
July	30.376	29.374	29.833	83.4	37.3	60.6	55.0	0.682	W	11	3.063
August	30.320	29.526	29.883	80.0	39.0	60.8	55.8	0.711	W	10	2.068
September	30.456	28.964	29.846	73.8	38.0	57.1	53.4	0.783	VAR.	15	3.040
October	30.640	29.042	29.797	63.6	29.5	48.7	47.6	0.844	VAR.	17	2.472
November	30.306	29.006	29.780	57.7	20.0	41.6	41.2	0.902	W	11	0.892
December	30.594	29.204	29.862	54.2	20.0	37.6	36.8	0.902	VAR.	19	2.575

TABLE XX (CONTINUED).

1850.

MONTH.	BAROMETER.			THERMOMETER.			Temperature of the Dew Point.	Degree of Humidity.	Wind	No. of Days on which rain fell.	Rain in Inches
	Max.	Min.	Mean	Max.	Min	Mean					
January	30.458	29.332	29.910	50.0	20.0	32.1	30.8	0.958	W	8	0.915
February	30.348	28.810	29.839	57.0	27.2	42.4	39.5	0.853	SW	10	1.380
March	30.550	29.454	30.085	54.2	19.4	38.1	33.2	0.856	N	2	0.120
April	30.338	28.896	29.646	65.0	31.2	37.9	43.0	0.836	VAR.	16	1.900
May	30.206	29.334	29.760	73.5	30.8	49.5	43.0	0.786	NE	15	2.000
June	30.392	29.460	29.928	83.0	34.8	60.0	52.0	0.722	VAR.	8	1.000
July	30.220	29.614	29.857	83.5	41.2	60.6	55.5	0.825	W	17	4.500
August	30.280	29.546	29.831	78.0	35.5	59.4	53.2	0.797	W	11	0.720
September	30.456	29.284	29.998	72.8	35.0	54.5	49.5	0.813	NE	10	1.430
October	30.344	29.140	29.729	62.5	30.0	46.3	42.8	0.866	W	16	1.320
November	30.300	28.600	29.751	61.8	23.0	45.2	42.3	0.897	SW	15	1.740
December	30.550	28.980	29.961	54.5	23.8	39.4	37.8	0.926	SW	14	1.560

1851.

January	30.290	29.078	29.681	56.2	28.0	42.0	36.5	0.828	SW	14	2.200
February	30.390	29.412	29.934	55.4	22.5	39.7	36.9	0.893	VAR.	9	0.500
March	30.344	28.700	29.635	56.5	29.0	41.6	37.6	0.858	NW	20	2.810
April	30.108	29.350	29.766	65.4	27.2	44.6	40.6	0.845	N	17	1.727
May	30.514	29.600	29.925	71.2	31.0	51.2	42.2	0.706	N	11	1.053
June	30.364	29.652	29.924	87.0	41.0	59.4	51.6	0.743	W	7	1.000
July	30.112	29.400	29.756	82.8	38.0	59.3	53.6	0.802	W	15	2.750
August	30.366	29.680	29.946	83.0	38.0	61.2	54.4	0.775	W	12	1.410
September	30.614	29.341	30.086	75.0	32.5	55.3	51.4	0.843	NE	6	0.430
October	30.424	29.026	29.767	67.8	32.0	52.0	48.2	0.856	SW	18	2.400
November	30.416	29.304	29.834	52.1	21.0	36.6	33.7	0.901	NW	10	1.250
December	30.542	29.524	30.191	56.0	24.8	40.4	37.2	0.868	SW	9	0.670

1852.

January	30.320	28.976	29.612	55.5	25.5	39.8	36.7	0.892	SW	16	3.280
February	30.664	29.076	29.912	56.5	22.0	40.0	35.7	0.846	N	12	0.920
March	30.800	29.174	30.079	67.5	19.5	40.3	34.2	0.784	NE	3	0.560
April	30.336	29.504	30.018	72.4	22.0	45.6	38.6	0.747	NE	4	0.400
May	30.236	29.544	29.831	76.0	30.5	50.9	42.8	0.750	N	7	2.500
June	30.038	29.192	29.583	71.0	37.5	56.0	52.6	0.890	SW	25	3.500
July	30.180	29.670	29.901	91.0	48.5	69.5	59.5	0.738	VAR.	7	2.710
August	30.296	28.996	29.697	78.0	46.6	60.5	55.4	0.829	SW	20	4.870
September	30.660	29.120	29.810	74.0	34.4	55.3	52.6	0.890	VAR.	11	2.190
October	30.454	28.876	29.738	59.5	29.0	46.2	43.4	0.886	VAR.	16	2.515
November	30.184	28.842	29.489	63.6	28.0	46.8	44.9	0.933	S	22	5.135
December ..	30.230	28.920	29.590	56.8	28.8	45.6	43.1	0.904	SW	18	2.100

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January	30.210	29.184	29.597	53.5	29.8	41.3	39.0	0.914	SW	20	1.905
February	30.184	28.906	29.584	42.0	19.0	32.3	29.9	0.914	N	16	1.325
March	30.186	29.386	29.839	56.8	23.0	37.2	33.9	0.878	NE	14	0.815
April	30.280	29.232	29.748	64.0	29.8	45.7	40.8	0.834	NW	16	2.340
May	30.192	29.422	29.824	77.2	33.2	51.9	41.8	0.680	NE	10	1.180
June	30.176	29.560	29.768	81.5	36.4	58.1	52.9	0.833	W	13	2.820

The readings of the Barometer have been corrected and reduced to 32° Fahrenheit.

The mean Temperatures were found from the maximum and minimum Thermometers, and have been corrected for diurnal range.

The Temperature of the Dew Point, and the Degree of Humidity were deduced from the corrected Means of the readings of the Dry and Wet-bulb Thermometers, by Glaisher's Hygrometrical Tables.

TABLE XXI.—MONTHLY MEANS OF METEOROLOGICAL OBSERVATIONS AT BEDFORD, FROM SEPTEMBER, 1850, TO JULY, 1853.

1850.

MONTH.	BAROMETER.			THERMOMETER.			Temperature of the Dew Point.	Degree of Humidity.	Wind	No. of Days on which rain fell.	Rain in Inches
	Max.	Min.	Mean	Max.	Min.	Mean					
October	30.300	29.190	29.727	63.6	31.2	46.6	43.0	0.848	W	18	1.32
November	30.280	28.680	29.774	60.5	23.0	45.7	41.9	0.854	WSW	17	1.85
December	30.500	29.040	29.700	54.0	24.0	38.8	42.7	0.867	W	8	1.43

1851.

January	30.280	29.150	29.674	55.0	27.5	42.6	38.6	0.859	SSW	15	2.26
February	30.360	29.410	29.932	55.6	22.5	40.1	35.7	0.834	VAR.	11	0.46
March	30.340	28.940	29.657	57.0	29.2	41.9	37.0	0.826	WNW	21	2.84
April	30.090	29.370	29.753	67.4	27.0	44.8	38.7	0.802	NNE	16	1.47
May	30.470	29.620	29.910	75.5	31.8	51.2	41.6	0.700	N	11	1.15
June	30.360	29.630	29.905	90.0	39.0	58.9	51.0	0.748	WSW	8	1.20
July	30.190	29.400	29.754	86.5	39.0	58.6	52.3	0.783	WSW	16	3.28
August	30.330	29.680	29.927	83.0	40.2	60.9	54.7	0.793	W	9	1.32
September	30.560	29.360	30.059	75.5	34.0	55.7	50.6	0.810	NE	8	0.59
October	30.490	29.070	29.761	68.5	32.8	52.0	46.8	0.804	SW	16	2.28
November	30.390	29.320	29.833	50.0	23.5	37.2	32.5	0.826	NNW	8	0.99
December	30.470	29.110	30.157	54.6	25.0	40.8	36.8	0.814	SW	3	0.65

1852.

January	30.250	28.920	29.612	55.0	25.6	40.2	36.5	0.847	SW	21	3.45
February	30.630	29.070	29.885	56.0	23.0	40.4	35.2	0.810	N	14	1.15
March	30.710	29.180	30.055	68.5	20.0	40.9	34.5	0.767	NE	5	0.51
April	30.300	29.490	30.003	73.5	23.5	45.7	39.7	0.765	NE	3	0.34
May	30.200	29.530	29.826	74.0	30.5	50.7	43.4	0.766	N	15	2.27
June	30.040	29.220	29.576	71.5	39.0	55.2	51.3	0.870	SW	25	3.34
July	30.160	29.680	29.744	91.5	49.0	66.9	59.6	0.740	NE	7	2.89
August	30.370	29.130	29.754	78.5	47.0	60.3	55.2	0.825	SW	22	5.98
September	30.480	29.150	29.800	75.0	35.0	55.8	53.1	0.877	VAR.	16	2.70
October	30.410	28.870	29.718	57.5	30.0	46.4	43.0	0.841	VAR.	17	2.40
November	30.140	28.840	29.476	61.5	29.0	46.7	44.0	0.879	SSW	23	5.44
December	30.210	28.940	29.577	55.0	29.0	46.3	43.8	0.865	SW	17	2.16

1853.

January	30.130	29.150	29.580	51.3	31.0	41.3	38.6	0.866	SW	17	1.85
February	30.170	28.920	29.577	40.0	17.0	32.4	29.4	0.863	N	17	1.30
March	30.160	29.390	29.820	55.0	22.0	37.1	32.9	0.819	VAR.	14	0.85
April	30.240	29.270	29.740	67.0	31.5	45.3	38.8	0.770	NW	13	2.47
May	30.160	29.400	29.811	80.0	33.0	52.5	41.8	0.652	NE	12	1.42
June	30.160	29.540	29.751	80.0	40.0	57.4	52.7	0.848	SW	14	3.15

TABLE XXII.—MEAN ANNUAL TEMPERATURE, AND ANNUAL QUANTITY OF RAIN IN INCHES, AT CARDINGTON, FROM 1845, TO JUNE 30, 1853; AND AT BEDFORD, FROM 1850, TO JUNE 30, 1853.

NAME OF PLACE.	1846		1847		1848		1849		1850		1851		1852		1853 Rain in In. from Jan 1 to June 30
	Mean Temp	Rain in inches	Mean Temp	Rain in inches	Mean Temp	Rain in inches	Mean Temp	Rain in inches	Mean Temp	Rain in inches	Mean Temp	Rain in inches	Mean Temp	Rain in inches	
Cardington	50.9	25.070	47.9	20.830	48.9	31.050	48.8	23.696	47.1	18.585	48.6	18.200	49.5	30.680	10.385
Bedford	..	..	..	..	..	..	..	..	..	..	48.7	18.490	49.6	32.630	11.040

TABLE XXIII.—SUMMARY OF THE PRINCIPAL RESULTS FROM THE FOREGOING TABLES.

PARISHES.	POPULATION.			DEATHS IN SIX-TEEN YEARS.		ANNUAL MORTALITY.		ANNUAL MORTALITY PER THOUSAND.			Deaths from Zymotic Diseases in 16 years.	Per-Centage of Deaths from Zymotic Diseases.
	1831	1841	1851	Inclusive of Deaths in the public institutions.	Exclusive of Deaths in the public institutions.	Inclusive of Deaths in the public institutions.	Exclusive of Deaths in the public institutions.	During 16 years inclusive of Deaths in the public instit.	During 16 years exclusive of Deaths in the public instit.	During 7 years exclusive of Deaths in the public instit.		
St. Cuthbert	733	591	663	248	264	15.5	16.5	24.5	25.9	26.2	54	22.4
St. John	486	446	453	122	134	7.6	8.4	16.9	18.4	22.2	29	23.9
St. Mary	879	1042	1670	1139	346	71.2	21.6	53.0	20.0	19.1	147	20.2
St. Paul	3956	5895	6709	2116	2285	132.3	142.8	21.3	23.2	24.2	484	22.7
St. Peter	905	1204	2198	856	463	53.5	29.0	31.9	20.0	18.0	120	20.0
Totals for Bedford	6959	9178	11693	4481	3492	280.1	218.4	27.1	22.3	22.6	834	23.0
Great Barford ..	731	814	865	249		16.3		19.3			39	15.7
Biddenham	369	345	373	103		6.6		18.3			14	13.6
Bletsoe	410	420	407	140		9.0		21.6			29	20.7
Bolnhurst	300	344	378	99		6.8		18.6			19	19.2
Bromham	324	314	343	92		6.0		18.3			12	13.0
Cardington	594	607	574	177		11.6		19.5			25	14.1
Carlton	424	444	432	160		10.1		22.9			17	10.6
Chellington	119	125	138	42		2.6		19.8			7	16.7
Clapham	298	370	445	146		9.3		22.7			47	32.2
Colmworth	468	572	543	185		12.4		22.1			37	20.0
Cople	643	551	552	205		13.0		23.3			50	24.4
Easteotts	710	859	881	228		14.7		16.8			51	22.4
Elstow	561	562	581	180		11.6		20.2			36	20.0
Felmersham	448	531	520	155		12.5		19.4			44	28.4
Goldington	494	509	606	160		10.7		19.0			26	16.3
Harrold	995	1007	1083	396		25.3		24.0			64	16.2
Kempston	1571	1697	1962	585		39.2		21.3			110	18.8
Keysoe	718	756	834	273		17.9		22.4			47	17.2
Knotting	165	175	187	41		2.8		15.4			12	29.3
Melchbourne ..	227	274	280	68		4.4		16.0			11	16.2
Milton Ernest ..	372	446	445	128		8.4		18.9			29	22.7
Oakley	516	492	457	168		10.9		22.8			41	24.4
Odell	475	488	538	148		9.4		18.3			28	18.9
Pavenham	543	600	556	217		13.8		23.7			57	26.3
Ravensden	258	326	371	112		7.4		21.3			35	31.3
Renhold	453	468	484	138		9.0		18.9			35	25.4
Risely	871	971	949	345		22.1		22.9			46	13.3
Roxton	575	594	622	210		14.0		22.8			41	19.5
Sharnbrook	754	861	888	253		16.0		18.3			44	17.4
Souldrop	242	332	267	83		5.3		16.8			24	28.9
Stagsden	597	632	727	253		16.3		23.9			67	26.5
Steventon	500	602	586	177		11.5		19.3			29	16.4
Thurleigh	538	616	698	195		13.3		20.1			51	26.2
Turvey	988	960	1028	367		23.7		23.6			81	22.1
Wilden	411	443	483	142		9.6		20.5			18	12.7
Willington	332	268	282	76		5.2		18.5			19	25.0
Wilshamstead ..	753	763	923	256		16.6		18.1			49	19.1
Wootton	1051	1123	1204	406		27.2		23.2			98	24.1
Yielden	276	320	328	122		7.8		24.0			19	15.6
Totals for the rural parishes.	21074	22581	23820	7480		490.3		20.9			1508	20.2
Totals for the Union	28033	31759	35513	11961	10972	708.7		21.3			2342	21.4

“At the Weekly Meeting of the Board of Guardians of the Bedford
“Union, in the County of Bedford, held on Saturday, the 26th day of
“November, 1853, Dr. Barker, M.D., presented to the Chairman a very
“valuable Statistical Report of the Mortality of Bedford and fourteen
“neighbouring parishes for sixteen years, ended the 30th of June last,
“accompanied by Meteorological Tables,—

Resolved that the especial thanks of this Board be presented to Dr.
Barker for this interesting document, and that the Chairman be
deputed to convey the same by letter to Dr. Barker, on behalf of
the Guardians, and that a copy of such letter be entered on the
minutes of the day.

“Turvey Abbey, November 29th, 1853.

“My dear Sir,

“On Saturday last there was presented to the Board of Guardians
“of the Bedford Union from yourself a very valuable Statistical Report
“of the Mortality of Bedford and its neighbourhood, accompanied by
“Meteorological Tables, and other interesting matter. The Board desire
“me to express to you the high sense which they entertain of the zeal
“and diligence which you have displayed in the Report alluded to, as
“well as of the scientific and practical importance of the Report itself;
“and beg to offer you their best thanks for so elaborate and valuable a
“document. Permit me also to assure you of the obligation which I
“feel in having had addressed to me as Chairman, Tables so important,
“as in my opinion to add not inconsiderably to the Statistical information
“of the country.

“Allow me to be, my dear Sir,

“Very faithfully yours,

“CHARLES LONGUET HIGGINS.

“To T. Herbert Barker, Esq., M.D.

“&c., &c.”

